Nandini Chatterjee

Python Developer

CONTACT

📞 07435615625

✉️ phy_nandini@icloud.com

📍 18 Galton Court, Joslin Avenue , NW95JW

💼 https://www.linkedin.com/in/nandini-chatterjee-41b3a885/

🐙 https://github.com/py-dev-nandini-12

EDUCATION

St.Xavier's College,Kolkata,India
Master of Science, Physics
2013-2015

Udemy Bootcamp,Python,Flask,Django

Udemy Bootcamp,Javascript

OBJECTIVE

Enthusiastic and dedicated Junior Python Developer, transitioning from a successful career as a Physics Lecturer, with a strong foundation in Python 3 and related technologies. Eager to leverage my background in education, problem-solving skills, and passion for programming to contribute effectively to dynamic software development teams. Committed to continuous learning and excited to apply my unique perspective and expertise to tackle new challenges in the world of software engineering. Seeking opportunities that allow me to combine my teaching experience and technical skills to create innovative solutions and drive meaningful change in the software development landscape.

SKILLS

- *PLanguages: Python, Shell/Unix*
- *Python Frameworks: FastAPI, Django, Flask*
- *Version Control: Git*
- *Databases: MySQL, PostgreSQL, MongoDB, Cassandra, SQLlite, Redis*
- *Virtualisation & Containerisation using Docker (Dockerhub) and Kubernetes (minikube)*
- *CI/CD: Github Actions, ArgoCD*
- *AWS :*
  - *Computes: EC2, Lambda*
  - *Notifications: SES, SNS*
  - *Storage: S3, DynamoDB*
  - *API Gateway*
- *Secure Restful API implementation & testing with Postman*

PROFESSIONAL EXPERIENCE

- **Natter, London UK**   Dec '23-July '24
  Software Developer

  - Authenticated user journeys for login and logout using JWT tokens for FastAPI Restful endpoints
  - Zoom API integration on the backend to facilitate authenticated users host meetings and invite other natter users to join the session
  - Core logic for natter points system, a backend FastAPI service to capture user journeys and assign points based on tasks completed and publish a leaderboard ordered by cumulative points
  - Used AWS S3 as an image store for create and read blogposts feature

- **DayOff, London UK**   Sept'23-Present
  Python Developer

  - Authenticated user journeys for login and logout using JWT tokens in an event driven mechanism using AWS lambdas and Cassandra db
  - Create, modify, search trip details using Restful APIs in a backend service with MongoDb as the data store
  - User profile management service with Cassandra db
  - Authenticate registration flows in a Lambda function with OTP using AWS SNS

CERTIFICATIONS

- [PCEP-30-02] PCEP – Certified Entry-Level Python Programmer
- Cloudforet Plugin Development Mentorship Programme - LFX
- Introduction to Protocol Buffers LFS145 - LFX
- Python Essentials - CISCO
- Data Analytics Seminar - Boolean
- Prince2 Foundations Certification Training - Axelos
- Front End Coding Week - Boolean

- **The Linux Foundation** Nov '23 - Feb '24

  Cloudforet Plugin Development Mentorship Programme

  - Containerized webservice with NGINX using Docker
  - Automating builds with Github actions/ workflows.
  - Deployed application into Kubernetes (minikube) using k8s.
  - Developed and deployed gRPC plugin.

- **PeoplePerHour-Freelance** Aug '23-Jan'24

  Python Developer,UK

  - Refactored Flask backend algorithm to determine the best fit of 11 players within the "EA FC 24"'s scope of player chemistry rules and formations so that the maximum chemistry can be achieved from selected list of players
  - Implemented a feature enhancement to rank all the possible formation with players in order of descending chemistry points
  - Resolved all bugs and defects in the existing codebase
  - Integrated with Futwiz Player search API to load list of EA FC 24 players

- **IronstoneLegal, London UK** Apr '22 - Nov '22

  Financial Administrator

- **Hutchings High School and Junior College, Pune India** Jun '19 - Oct '21

  Physics Lectuerer